

Specialty Alloy Applications of Welding

Description

This course is designed to teach the skills necessary to perform welds on specific alloys needed by the customer for their application. Ex. Aerospace industry/Petro-Chem, etc. Multi processes will be

taught if used and available at your facility. Course can easily be customized to meet your facilities needs.

Outline

- Torch Brazing Process Overview
- Arc Welding Process Basics
- GMAW Process Basics
- GTAW Process Basics
- Welding and Cutting Safety
- Identifying Base Metals
- Practical Alloy Steel Metallurgy
- Welding Alloy Steel Techniques
- Alloy Welding Practice Exercises (Hands on lab exercises) On Stainless Steel/Aluminum/Copper, etc.

Prerequisites

Participants should have taken Basic or Advanced Arc Welding or have prior experience of that level.

Performance Objectives

At the completion of this course the participant will be able to make alloy welds on a variety of materials. If non ferrous metals are to be used students will be able to make repairs to these metals in the flat and horizontal positions. All repairs taught in all positions if necessary.

Course Length

40 hours/Up to 12 participants.